

Receiving Report

Date: 12/5/11

Batch No: 1121728

Supplier: METAL CASTING

Dart P/O: 16876

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection OK 12/6/11 N/A ☐
 Work Order N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M174P4 1000		48	0	0	48	
	PH 1-335	24	0	0	24	
M 303B 2. du 61.75		12	0	0	12	

Initials of receiver (if shipment OK) Level 12

Production/Admin: 12/5/11
 Date
 Received/Costing
 Initial

Location

Page 1 of 1

All amounts are calculated in domestic currency.

All Line Item Types

All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor\Vendor Name											
PO16876	3	VC-MET001	Metaux Castle								
CAD	No		M303R0.500	f	5/14/2012	5/11/2012	84.0000	\$2.12	0.0000	0	\$177.70
			303 Round Bar	f	84.0000	DESJ02		\$177.70	0.0000	0	
			0.500"								
			121728								
	4		M303R0.750	f	5/14/2012	5/11/2012	48.0000	\$4.76	0.0000	0	\$228.35
	No		303 Round Bar 0.750	f	48.0000	DESJ02		\$228.35	0.0000	0	
			121728								
	5		M303R1.000	f	5/14/2012	5/11/2012	12.0000	\$9.30	0.0000	0	\$111.63
	No		303 Round Bar 1.00	f	12.0000	DESJ02		\$111.63	0.0000	0	
			121728								
	6		M304B0.500X2.500	f	5/14/2012	5/11/2012	12.0000	\$16.75	0.0000	0	\$201.02
	No		304 BAR .500 x 2.50	f	12.0000	DESJ02		\$201.02	0.0000	0	
			121728								
	7		M304B0.750X2.500	f	5/14/2012	5/11/2012	24.0000	\$25.61	0.0000	0	\$614.61
	No		304 BAR .750 X 2.50	f	24.0000	DESJ02		\$614.61	0.0000	0	
			121728								
	8		M304R0.375	f	5/14/2012	5/11/2012	48.0000	\$1.41	0.0000	0	\$67.53
	No		304 ROUND BAR	f	48.0000	DESJ02		\$67.53	0.0000	0	
			0.375								
			121728								
										Total Received Quantity:	228.0000
										Total Qty to Inspect (PO U/M):	0.0000
										Total Reject Quantity:	0.0000
										Total Receipt Value:	\$1,400.85
										Total Balance Due Quantity:	0.0000



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1306975

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 10-MAY-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier LOCAL_FLEET	BOL No 1306975-3			

Shipment Details	Final Destination Branch - MON
-------------------------	---------------------------------------

Order No 2170894	Line No 7	Item No 5036	Description 0.5000.2.5000.FLAT.304.STAINLESS.HR.ANN.PICKLE.132.0000-156 SPECIFICATIONS: ASTM A276				
Purchase Order No 16876	Part Number	Ordered Qty 12.00 FT	Invoice Qty 13.25 FT				
Details							
Delivery No. 117596574	Mill VALBRUNA CORPORATION	Heat Number 252728	Mech Id 1	PCS	Width (IN)	Length (IN) 159	
					Shipped Qty(LBS) 56.31		

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: 12/05/14

Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LLOYD'S REGISTER

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

39100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Besteller/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Hersteller/Manufacturer

Avviso di Spedizione: D-VH1020751
Lieferanzeige/Fachung Nr./S.L.

Ordine nr: 29395 97222 CASTLE
Bestell/Your order/Commande

Certificato nr: MEST071410/2011/
Prüfung/Test/Essai

Conferma ordine nr: EH1001301
Werk/Our Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Poinçon de l'essayeur



Stato di fornitura: Descaled Annealed Hotrolled
Lieferzustand/Delivery state/État de livraison

Tipo di Elaborazione: E+AOD
Erschmelzungsart/Smelting process/Mode d'élaboration

Specifiche:
Anforderungen / Requirements / Exigences
3304-S4 1 304 A
ASTM A276 2010 S30400 A

AMS-QQ-S-763 B 304 A
ASTM A479 2010A S30400 A

ASME SA479 2010 S30400 A (0)

(0) SEC.II PT.A 2010 EDITION

Qualità: T-304L #5036
Werkstoff/Grade/Qualité

Marca: AISI
Markenbezeichnung/Brand/Numéro

Punzonatura: 304
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Description du produit	Dimensioni - in Abmessungen Dimension Dimension	Tolleranza Toleranz Tolerance	Lunghezza - in Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0010	Flat	2,5000 x 0,5000	484 T5	144 / 160	252728		1.949	132700780

TEST ALLO STATO DI FORNITURA Test on delivery condition Prüfung auf lieferbarem Produkt test à l'état de livraison Prueba sobre el material así como entregado									
TEST	Proveite/Probes Bewertung/Ergebnis Legation/Spec. Bewertung/Ergebnis Legation/Spec. Bewertung/Ergebnis Legation/Spec.	°F	Snervamento Biegezug Yield Stress Rp 0,2% k.s.l.	Snervamento Biegezug Yield Stress Rp 0,2% k.s.l.	Resistenza Zugfestigkeit Tensile strength Rm k.s.l.	Alungamento Bruchdehnung Elongation Agt %	Strizione Bruchdehnung Reduction of area RA %	Resistenza Kerbschlag Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/required values Valeurs demandées		min max	30	-	75 115	- 40	- 50	-	-
A	12,5	68 L	48		93	53	62		184

TEST	min	max
A Grain size for ASTM E112		6

1) L=lunghezza/length, T=traversaria/cross, Q=Taganziale/longitudinal

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,080	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	0,045	0,030	0,100	-	-	-	-	-
252728	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	N %					
	0,013	0,49	1,69	18,39	0,51	0,49	8,12	0,033	0,021	0,088					

Annealing temperature: 1940°F for 0.5 h/water.
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été fourni conforme aux exigences

Controllo antimiscelazione: OK
Vermischungsprüfung: erfolgreich/wohl durchgeführt
Admixing testing performed: OK
Controlle antirecambio: OK

Controllo visivo e dimensionale: soddisfa le esigenze
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 23/06/11 VCO008 (Mod. NCIE2)	Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 1
---	--	-----------------

Castle Metals FP

HEAT NUMBER 252728
MECHANICAL ID _____
ITEM CODE 5036
LOT NUMBER _____
PO NUMBER 97222
RECEIPT DATE 9.29.2011
SUPPLIER VAIL BRUNN
SPECIFICATION _____
LOS ND
COMMENT _____
APPROVED DL

and
12/05/14

**Castle Metals®**

A. M. Castile & Co.

**PACKING SLIP/
CERTIFICATE OF CONFORMANCE**

Page 1 of 1

Shipment No:1306975

Ship From: A. M. Castile & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 10-MAY-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier LOCAL_FLEET	BOL No 1306975-3			

Shipment Details	Final Destination Branch - MON
-------------------------	---------------------------------------

Order No 2170894	Line No 4	Item No 14154	Description 0.5000.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582				
Purchase Order No 16876	Part Number		Ordered Qty 84.00 FT	Invoice Qty 84.58 FT			
Details							
Delivery No. 117600392	Mill NORTH AMERICAN STAINLESS	Heat Number B9D5	Mech Id 7	PCS	Width (IN)	Length (IN) 145	
					Shipped Qty(LBS) 56.5		

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castile & Co. within 60 days of the shipment. Material out to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

gnr 12/05/14



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Chent, KY 41045-9615
(502) 347-6000

Certificate: 723702 01 Mail To: Ship To: Date: 3/27/2012 Page: 1 Of 1
A.M. CASTLE AND COMPANY A.M. CASTLE AND COMPANY Steel: 303
1420 KENSINGTON ROAD-SUITE 220 3400 NORTH WOLF ROAD Finish: Cold Draw
OAK BROOK IL 60523 FRANKLIN PARK IL 60131 Dia/Thk: .5000 in
Customer: 0032 001 Leg Length: 144.00 in
NAS Order: LN 80629 3 Item Code: 14154 Length: Corrosion:
Your Order: 153271

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/05 EN 10204 3.1, ASTM A484/10
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE50816	2064								

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Heat	Supplier #	CM	C	CO	CR	CU	MN	MO	N	NI	P	S
B9D5		US	.042	.10	17.31	.25	1.78	.36	.054	8.60	.028	.3335

MECHANICAL PROPERTIES

1 d o i g x	HB	No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BE50816	RL	199.0	85.72	103.70	34.17	44.50

and 12/05/14

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC HESS

OK 12/05/14

Castle Metals FP

HEAT NUMBER	B9 D5
MECHANICAL ID	
ITEM CODE	14154
LOT NUMBER	
PO NUMBER	153271
RECEIPT DATE	3-30-12
SUPPLIER	NAS
SPECIFICATION	
LCS	AD
COMMENT	
APPROVED	DL



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1306975

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 10-MAY-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier LOCAL_FLEET	BOL No 1306975-3

Shipment Details	Final Destination Branch - MON
-------------------------	---------------------------------------

Order No 2170894	Line No 5	Item No 4632	Description 0.7500.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582
Purchase Order No 16876	Part Number	Ordered Qty 48.00 FT	Invoice Qty 48.00 FT
Details			
Delivery No. 117599183	Mill NORTH AMERICAN STAINLESS	Heat Number B5W8	Mech Id 4
		Width (IN)	Length (IN) 144
			Shipped Qty(LBS) 72

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

12/6/14



6870 HIGHWAY 42 EAST

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

Certificate: 722663 1 Mail To: A.M. CASTLE AND COMPANY
Customer: 000032 996 CUSTOMER PICKUP
801 TWIN RAIL DRIVE
MINOOKA, IL 60447

Date: 3/23/2012 Page: 1

Steel: 303

Finish: CD

Your Order: 165618

NAS Order: IN 0143030 01

PRODUCT DESCRIPTION:

Round Bar, annealed, Cold Draw

ASTM A582/05 EN 10204 3.1, ASTM A484/10

AMS 5640U TYPE 1, QQS-764B CONDITION A

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.

EC. ROES. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA

FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BE4354 2		.7500		1,504		144.00	1	1

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
B5W8	US	.0710	.0825	17.4470	.3225	1.8045	.3580	.0443	8.5380	.0310
	S	SI								
			.3480	.3015						

MECHANICAL PROPERTIES

Product Id	Id	HB	.2YS	UTS	RA	Ring
	Coil	No.	KSI	KSI	%	% 4D
BE4354 2	RL	203.00	75.56	105.17	36.42	33.77

ent 12/08/14

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC HESS

3/23/2012

Castle Metals FP

HEAT NUMBER B5W8
MECHANICAL ID _____
ITEM CODE 4632
LOT NUMBER _____
PO NUMBER 1165618
RECEIPT DATE 3-26-12
SUPPLIER XIAS
SPECIFICATION _____
LCS RD
COMMENT _____
APPROVED DL

gnt
12/05/14



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1306975

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 10-MAY-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier LOCAL_FLEET	BOL No 1306975-3			

Shipment Details	Final Destination Branch - MON
-------------------------	---------------------------------------

Order No 2170894	Line No 6	Item No 4665	Description 1.0000.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582				
Purchase Order No 16876	Part Number		Ordered Qty 12.00 FT	Invoice Qty 12.42 FT			
Details							
Delivery No. 117599183	Mill NORTH AMERICAN STAINLESS	Heat Number B7H1	Mech Id	PCS 1	Width (IN)	Length (IN) 149	Shipped Qty(LBS) 33.15

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material out to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

12/05/14



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 719979 15 Mail To: Ship To: Date: 3/13/2012 Page: 1 Of 1
A.M. CASTLE AND COMPANY A.M. CASTLE AND COMPANY Steel: 303
1420 KENSINGTON ROAD-SUITE 220 3400 NORTH WOLF ROAD Finish: Cold Draw
OAK BROOK IL 60523 FRANKLIN PARK IL 60131 Dia/Thk: 1.0000 in
Customer: 0032 001 Leg Length: 144.00 in
NAS Order: LN 81623 4 Item Code: 4665 Corrosion:
Your Order: 149423

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/05 EN 10204 3.1, ASTM A484/10
AMS 5640U TYPE 1, QOS-764B CONDITION A

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE45663	2203								

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Heat	Supplier #	CM	C	CO	CR	CU	MN	MO	N	NI	P	S
B7H1		US	.042	.13	17.16	.25	1.81	.35	.050	8.53	.028	.3465
			SI									
				.38								

MECHANICAL PROPERTIES

1 d	HB	No.	.2YS	UTS	RA	%	Elong	% 4D
BE45663	RL	195.0	77.15	110.94	36.28		28.62	

12/5/14

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC HESS

Castle Metals FP

HEAT NUMBER B7H1
MECHANICAL ID _____
ITEM CODE 4665
LOT NUMBER _____
PO NUMBER 149423
RECEIPT DATE 3-16-12
SUPPLIER NAS
SPECIFICATION _____
LCS NO
COMMENT _____
APPROVED DL

OK
12/05/14



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1306975

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 10-MAY-2012	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier LOCAL_FLEET	BOL No 1306975-3		

Shipment Details	Final Destination Branch - MON
-------------------------	---------------------------------------

Order No 2170894	Line No 8	Item No 5062	Description 0.7500.2.5000.FLAT.304.STAINLESS.HR.ANN.PICKLE.132.0000-156 .0000 SPECIFICATIONS: ASTM A276			
Purchase Order No 16876	Part Number		Ordered Qty 24.00 FT	Invoice Qty 25.83 FT		
Details						
Delivery No. 117596574	Mill VALBRUNA CORPORATION	Heat Number 251514	Mech Id	PCS 2	Width (IN) 1	Length (IN) 155
					Shipped Qty(LBS) 164.69	

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

12/05/14

Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Besteller/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-USA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Usine productrice

Objetto Prove: Descaled Annealed Hotrolled
Prüfgegenstand/Item inspected/Finissage

Specifiche:
Anforderungen / Requirements / Exigences

VSI 0 304/304L A
AMS-QQ-S-763 B 304/304L A
ASME SA276 2007 S30400/03 A (2)
ASTM A182 2010 S30400/03 A (5)
ASTM A276 2010 S30400/03 A
ASTM A370 2010
MIL-S-862 B/1 304/304L

(0) SEC.II PT.A 2007 EDITION ADD. 2009b
(1) SEC.II PT.A 2007 EDITION ADD. 2009b
(3) SEC.II PT.A 2007 EDITION ADD. 2009b
(5) For products machined directly from bar refer to ASTM A479.
(7) * ISO 15156-3

Qualità: 304/304L
Werkstoff/Grade/Nuance

Marca: AISI
Markenbezeichnung/Brand/Nuance



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1

Avviso di Spedizione: D-VI10032865
Lieferanweisung/Packing list/V.L.

Ordine nr: 26758 STOCK CAROL STR
Bestell/Vour order/Commande

Tipo di Elaborazione: E+AOD
Erstellungssart/Manufact process/Mode d'elaboration

Certificato nr: MEST943384/2010/
Prüfung/Tes/Essai

Conferma ordine nr: EI10009891
Werkz/Our Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Poligon de l'essayeur



AMS 5639 H S30400 A
ASME SA182 2007 S30400/03 A (0)
ASME SA320 2007 B8 CLASS1 (3)
ASTM A193 2010A B8 CLASS1
ASTM A314 2008 S30400/03
ASTM A473 2001 S30400/03 (6)
NACE MR0175* 2003 S30400/03 A (7)

AMS 5647 H S30403 A
ASME SA193 2007 B8 CLASS1 (1)
ASME SA479 2007 S30400/03 A (4)
ASTM A282 2010 PRACTICE E
ASTM A320 2010 B8 CLASS1
ASTM A479 2010A S30400/03 A
QQ-S-763 F 304/304L A

(0) For products machined directly from bar refer to ASME SA479.
(2) SEC.II PT.A 2007 EDITION ADD. 2009b
(4) SEC.II PT.A 2007 EDITION ADD. 2009b
(6) Chemical analysis only.

only 12/05/14

Punzonatura: 304/304L
Kennzeichnung/Marking/Marquage

Pos. nr. Item nr. Nr. de poste	Objetto Gegenstand Product description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lothr. Lot nr. Lot nr.
0180	Flat	2,5000 x 0,7500	484-09	144 / 160	251514		2.709	121002400

TEST ALLO STATO DI FORNITURA Test on delivery condition Prüfung auf lieferbarem produkt test à l'état de fourniture Prueba sobre el material así como entregado												
TEST	Provetta/Proboscio Specimen/Éprouvette Larg. diam. Spec. Diam. Spec. Thickn. Larg. diam. épais mm	°F	Posiz. Saggio Inspection Location Emplacement 1)	Snervamento Buckleness Yield Stress Limit elastic Rp 0,2% k.s.i.	Snervamento Buckleness Yield Stress Limit elastic k.s.i.	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Biegeformung Elongation Allongement E 4d %		Strizione Einziehung Reduction of area Striction RA %	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB	
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		30	-	75 115	-	40	-	50	140 235	
A	12,5	68	L	48		91		55		65	184	

TEST	min	max
A Grain size for ASTM E112		6

Mechanical properties according to ASTM A370.

1) L=longitudinale/Länge, T=transversale/Quer, Q=Transversale/Quer/Länge

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Schmelze/Coulée	min - max 0,030	-	-	18,00 20,00	-	1,00	1,00	8,00 10,50	-	0,040	0,020 0,030	0,100	-	-	-	-
251514	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %					
	0,022	0,51	1,69	18,16	0,42	0,44	8,11	0,100	0,028	0,023	0,085					

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940°F for 1 h/water.
Micro and macro etch test: OK
Intergranular corrosion test per ASTM A262 pract. E: ok.
Material is DFARS Compliant

Vicenza, 17/11/10

VC0008
(Mod. MCER)

Il collaudatore di stabilimento / der Werksachverständige / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 2

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-USA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Kem/Usine producer

Oggetto Prove: Descaled Annealed Hotrolled
Prüfgegenstand/Item Inspected/Finisage

Avviso di Spedizione: D-VI10032865
Lieferanzeige/Packing list/B.L.

Ordine nr: 28758 STOCK CAROL STR
Bestell./Your order/Commande

Tipo di Elaborazione: E+AOD
Erichmelungsart/Melting process/Mode d'elaboration

Certificato nr: MEST943384/2010/
Prüfung/Test/Essai

Conferma ordine nr: E110009891
Werkz/Our Order/Ref. n.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Signe de l'usine productrice

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Poinçon de l'essayeur



Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été trouvé conforme aux exigences

Controllo antimiscelanza: OK
Verwechslungsprüfung: spezialanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimelange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Beurteilung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check satisfactory
Contrôle visuel et dimensions: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Handwritten signature and date:
12/05/11

Castle Metals FP

HEAT NUMBER 251514
MECHANICAL ID _____
ITEM CODE 5002
LOT NUMBER _____
PO NUMBER 63731
RECEIPT DATE 2/12/11
SUPPLIER Valbruna
SPECIFICATION _____
LCS W
COMMENT _____
APPROVED [Signature]

Vicenza, 17/11/10

VUC008
(Mod. NCER)

Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L'agent d'usine

Handwritten signature: M. Rizzotto

Pagina - 2 di 2



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1306975

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 10-MAY-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier LOCAL_FLEET	BOL No 1306975-3			

Shipment Details	Final Destination Branch - MON
-------------------------	---------------------------------------

Order No 2170894	Line No 9	Item No 15043	Description 0.3750.RD.304/304L.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276				
Purchase Order No 16876	Part Number		Ordered Qty 48.00 FT	Invoice Qty 48.00 FT			
Details							
Delivery No. 117599183	Mill NORTH AMERICAN STAINLESS	Heat Number B6W3	Mech Id	PCS 4	Width (IN)	Length (IN) 144	Shipped Qty(LBS) 18.05

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:



6870 HIGHWAY 42 EAST

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

Certificate: 732280 1

Mail To:

A.M. CASTLE AND COMPANY
CUSTOMER PICKUP
801 TWIN RAIL DRIVE
MINOOKA, IL 60447

Ship To:

A.M. CASTLE AND COMPANY
CUSTOMER PICKUP
801 TWIN RAIL DRIVE
MINOOKA, IL 60447

Date: 4/27/2012 Page: 1

Steel: 304/304L

Your Order: 169083

NAS Order: IN 0144777 01

Finish: CD

Corrosion: ASTM A262 Prac A/E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw

UNS 30400/30403 EN 10204 3.1, ASTM A484/10
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BE4579 8		.3750		1.002	144.00	1	1	15043

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
B6W3	US	.0246	.1255	18.1160	.3645	1.3985	.2860	.0720	8.5365	.0335
	S	SI								
		.0250	.3505							

MECHANICAL PROPERTIES

Product Id	1 d o i c x	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BE4579 8	R L	210.00	97.65	114.12	71.82	35.10

OK 12/05/14

OK 12/05/14

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC HESS

4/27/2012

Castle Metals FP

HEAT NUMBER B6W3
MECHANICAL ID _____
ITEM CODE 15043
LOT NUMBER _____
PO NUMBER 169083
RECEIPT DATE 4-30-12
SUPPLIER NAS
SPECIFICATION _____
LCS 11
COMMENT _____
APPROVED DL

and 12/05/14
4/50/21



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16876

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 2 of 4

Order From :

VC-MET001

METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Contact Name

Vendor Phone 514 694 9575

Vendor Fax 514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

M121728

Special Inst: MATERIAL: 17-4 PH COND. H900
AS PER AMS 5643

NOTE:
PLEASE SHIP MATERIAL TO METCOR
INC.
560 BOULV. ARTHUR SAUVE
SAINT-EUSTACHE, QC
J7R-5A8
450-473-1884

3	M303R0.500 028	303 Round Bar 0.500"	5/14/12 Yes	Y 84.00 f	Yours ppd	\$2.0900	\$175.56
---	-------------------	----------------------	----------------	--------------	-----------	----------	----------

Special Inst: MATERIAL: 303 ROUND BAR AS PER
ASTM A582
NOTE: 304/316 NOT ACCEPTABLE

4	M303R0.750 028	303 Round Bar 0.750	5/14/12 Yes	X 48.00 f	Yours ppd	\$4.7000	\$225.60
---	-------------------	---------------------	----------------	--------------	-----------	----------	----------

Special Inst: MATERIAL: 303 ROUND BAR AS PER
ASTM A582
NOTE: 304/316 NOT ACCEPTABLE

5	M303R1.000 028	303 Round Bar 1.00	5/14/12 Yes	- 12.00 f	Yours ppd	\$9.1900	\$110.28
---	-------------------	--------------------	----------------	--------------	-----------	----------	----------

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/02/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16876

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 3 of 4

Order From :

VC-MET001

METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Contact Name

Vendor Phone 514 694 9575

Vendor Fax 514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst: MATERIAL: 303 ROUND BAR AS PER
ASTM A582
NOTE: 304/316 NOT ACCEPTABLE

6 M304B0.500X2.500 304 BAR .500 x 2.50 5/14/12 12.00 Yours ppd \$16.5500 \$198.60
Yes 13' f 02/05/11

Special Inst: AISI 304/316 SS BAR OR AISI 304/316 SS
PLATE
AS PER ASTM A276 OR ASTM A240
(NOTE: AISI 303 NOT ACCEPTABLE)

7 M304B0.750X2.500 304 BAR .750 X 2.50 5/14/12 24.00 Yours ppd \$25.3000 \$607.20
Yes f 02/05/11

Special Inst: AISI 304/316 SS BAR OR AISI 304/316 SS
PLATE
AS PER ASTM A276 OR ASTM A240
(NOTE: AISI 303 NOT ACCEPTABLE)

8 M304R0.375 304 ROUND BAR 0.375 5/14/12 48.00 Yours ppd \$1.3900 \$66.72
Yes f 02/05/11

Special Inst: AISI 304/316 SS ROUND BAR
SPEC: ASTM A276
(NOTE: AISI 303 NOT ACCEPTABLE)

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/02/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16876**

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 4 of 4

Order From :

VC-MET001

METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Contact Name

Vendor Phone 514 694 9575

Vendor Fax 514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

9	M303B2.000X1.750	303 BAR 2" X 1.750"	5/14/12 Yes	12.00 f	Yours ppd	\$104.0000	\$1,248.00
---	------------------	---------------------	----------------	------------	-----------	------------	------------

Special Inst: MATERIAL: AISI 303 SS BAR AS PER
ASTM A582
NOTE: 304/316 NOT ACCEPTABLE

PO Total:

\$3,510.36

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

Change Nbr: 2

Change Date: 5/02/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable